

SIT timing pulleys - TOP DRIVE® HTD

TOP DRIVE® HTD pulleys have a different design from the traditional toothed pulleys.

The axial grooves are designed to allow the belt teeth to catch the pulley teeth with negligible friction.

TOP DRIVE® HTD pulleys are available with full hub and for assembly with SER-SIT® taper bushing.

Solid hub

Material: aluminum/cast iron/steel

Finishing: black manganese phosphating

Pitch:

- 3M
- 5M
- 8M
- 14M

**For mounting taper bushing SER-SIT®**

Material: cast iron/steel

Finishing: black manganese phosphating

Pitch:

- 5M
- 8M
- 14M

**Special executions**

Upon request, SIT is able to design and manufacture any type of pulley based on customer requirements.

For peripheral speed exceeding 33 m/s it is strongly recommended to use steel as material of construction.

$$\text{peripheral speed [m/s]} = \frac{\text{pulley diameter [mm]} \cdot \text{rpm}}{19100}$$

In order to reduce the system weight, the pulleys can be manufactured from light metals; in this case the lifetime will be reduced when compared to the standard because the nylon belt coating has a slightly abrasive effect. This disadvantage can be reduced with a high thickness anodization coating of the teeth.

Flanged pulleys

Timing belts, when in motion, have a slight lateral displacement. It is therefore necessary to use at least one flanged pulley to prevent the belt jumping out of the pulley.

Usually, in order to reduce the costs, the flanged pulley is the one with the smaller diameter.

In any case, when the distance of the axes is greater than 8 times the diameter of the small pulley, or when the transmission is working on shafts arranged in a position that is not horizontal one, both pulleys have to be flanged.

TOLERANCES**Pulley diameter tolerances**

External Diameter [mm]	Tolerances [mm]
up to 25,4	-0,00 +0,05
from 25,5 to 50,8	-0,00 +0,08
from 50,9 to 101,6	-0,00 +0,10
from 101,7 to 177,8	-0,00 +0,13
from 177,9 to 304,8	-0,00 +0,15
from 304,9 to 508,0	-0,00 +0,18
more than 508,1	-0,00 +0,25

Radial circular runout

External Diameter [mm]	Measured total eccentricity [mm]
up to 200	0,13
more than 200	add 0,0005 for any mm more than 200

Cylindricity tolerance

Pulley width	Tolerances
for any 100 mm	0,1 mm without exceeding the external diameter tolerance

Protective coating

All (steel and cast iron) pulleys are treated with a black manganese phosphating process that gives greater resistance against oxidizing agents. This treatment does not modify the profile or the dimensions of the pulleys.

On request SIT can provide a wide range of special coating, related to the customer specific needs or environmental critical conditions.

Note

Due to a constant improvement of our products, technical data of the pulleys may be subject to changes.

Dimensions of timing pulleys TOP DRIVE® HTD - solid hub pitches 3M - 5M - 8M - 14M

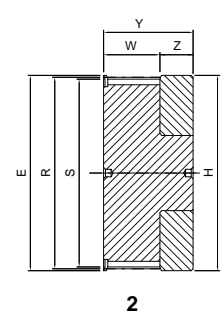
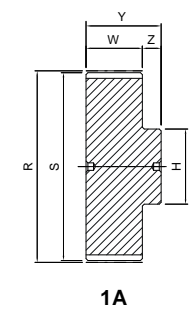
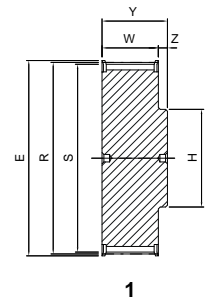


Part Number	HD 48 -8M 20
HTD timing pulleys - solid hub	
Number of teeth	
Pitch	
Belt width in mm	

HD ... -3M09

3M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	H [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 10 - 3M 09	10	2	13,0	9,55	8,79	13,0	10,2	17,5	7,3	with flanges	aluminum
HD 12 - 3M 09	12	2	15,0	11,46	10,70	15,0	10,2	17,5	7,3		
HD 14 - 3M 09	14	2	16,0	13,37	12,61	18,0	10,2	17,5	7,3		
HD 15 - 3M 09	15	2	17,5	14,32	13,56	18,0	10,2	17,5	7,3		
HD 16 - 3M 09	16	1	17,5	15,28	14,52	10,0	12,8	20,6	7,8		
HD 18 - 3M 09	18	1	20,0	17,19	16,43	11,0	12,8	20,6	7,8		
HD 20 - 3M 09	20	1	23,0	19,10	18,34	13,0	12,8	20,6	7,8		
HD 21 - 3M 09	21	1	25,0	20,05	19,29	13,0	12,8	20,6	7,8		
HD 22 - 3M 09	22	1	25,0	21,01	20,25	13,0	12,8	20,6	7,8		
HD 24 - 3M 09	24	1	25,0	22,92	22,16	14,0	12,8	20,6	7,8		
HD 26 - 3M 09	26	1	28,0	24,83	24,07	16,0	12,8	20,6	7,8		
HD 28 - 3M 09	28	1	32,0	26,74	25,98	18,0	12,8	20,6	7,8		
HD 30 - 3M 09	30	1	32,0	28,65	27,89	20,0	12,8	20,6	7,8		
HD 32 - 3M 09	32	1	36,0	30,56	29,80	22,0	12,8	20,6	7,8		
HD 36 - 3M 09	36	1	39,0	34,38	33,62	26,0	13,4	22,2	8,8		
HD 40 - 3M 09	40	1	42,0	38,20	37,44	28,0	13,4	22,2	8,8		
HD 44 - 3M 09	44	1	48,0	42,02	41,26	33,0	13,4	22,2	8,8		
HD 48 - 3M 09	48	1A	-	45,84	45,08	33,0	13,4	22,2	8,8		
HD 60 - 3M 09	60	1A	-	57,30	56,54	33,0	13,4	22,2	8,8		
HD 72 - 3M 09	72	1A	-	68,75	67,99	33,0	13,4	22,2	8,8		



HD ... -3M15

3M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	H [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 10 - 3M 15	10	2	13,0	9,55	8,79	13,0	17,0	26,0	9,0	with flanges	aluminum
HD 12 - 3M 15	12	2	15,0	11,46	10,70	15,0	17,0	26,0	9,0		
HD 14 - 3M 15	14	2	16,0	13,37	12,61	18,0	17,0	26,0	9,0		
HD 15 - 3M 15	15	2	17,5	14,32	13,56	18,0	17,0	26,0	9,0		
HD 16 - 3M 15	16	1	17,5	15,28	14,52	10,0	19,5	26,0	6,5		
HD 18 - 3M 15	18	1	20,0	17,19	16,43	11,0	19,5	26,0	6,5		
HD 20 - 3M 15	20	1	23,0	19,10	18,34	13,0	19,5	26,0	6,5		
HD 21 - 3M 15	21	1	25,0	20,05	19,29	13,0	19,5	26,0	6,5		
HD 22 - 3M 15	22	1	25,0	21,01	20,25	13,0	19,5	26,0	6,5		
HD 24 - 3M 15	24	1	25,0	22,92	22,16	14,0	19,5	26,0	6,5		
HD 26 - 3M 15	26	1	28,0	24,83	24,07	16,0	19,5	26,0	6,5		
HD 28 - 3M 15	28	1	32,0	26,74	25,98	18,0	19,5	26,0	6,5		
HD 30 - 3M 15	30	1	32,0	28,65	27,89	20,0	19,5	26,0	6,5		
HD 32 - 3M 15	32	1	36,0	30,56	29,80	22,0	19,5	26,0	6,5		
HD 36 - 3M 15	36	1	39,0	34,38	33,62	26,0	20,0	30,0	10,0		
HD 40 - 3M 15	40	1	42,0	38,20	37,44	28,0	20,0	30,0	10,0		
HD 44 - 3M 15	44	1	48,0	42,02	41,26	33,0	20,0	30,0	10,0		
HD 48 - 3M 15	48	1A	-	45,84	45,08	33,0	20,0	30,0	10,0		
HD 60 - 3M 15	60	1A	-	57,30	56,54	33,0	20,0	30,0	10,0		
HD 72 - 3M 15	72	1A	-	68,75	67,99	33,0	20,0	30,0	10,0		

Dimensions of timing pulleys TOP DRIVE® HTD - solid hub

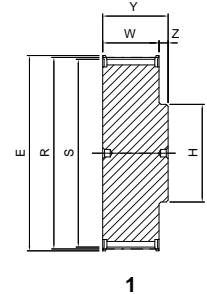


TIMING PULLEYS - HD

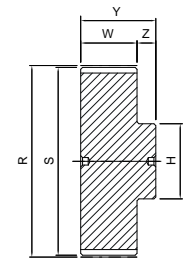
HD ... -5M09

5M

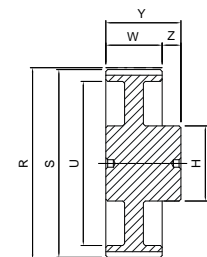
Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	H [mm]	W [mm]	Y [mm]	Z [mm]	Z [mm]	Flange	Material
HD 12 - 5M 09	12	1	23,0	19,10	17,96	-	12,0	14,5	20,0	5,5	with flanges	steel
HD 14 - 5M 09	14	1	25,0	22,28	21,14	-	13,0	14,5	20,0	5,5		
HD 15 - 5M 09	15	1	28,0	23,87	22,73	-	16,0	14,5	20,0	5,5		
HD 16 - 5M 09	16	1	28,0	25,47	24,32	-	16,5	14,5	20,0	5,5		
HD 18 - 5M 09	18	1	32,0	28,65	27,51	-	20,0	14,5	20,0	5,5		
HD 20 - 5M 09	20	1	36,0	31,83	30,69	-	23,0	14,5	22,5	8,0		
HD 21 - 5M 09	21	1	38,0	33,42	32,28	-	24,0	14,5	22,5	8,0		
HD 22 - 5M 09	22	1	39,0	35,01	33,87	-	25,5	14,5	22,5	8,0		
HD 24 - 5M 09	24	1	42,0	38,19	37,06	-	27,0	14,5	22,5	8,0		
HD 26 - 5M 09	26	1	44,0	41,38	40,24	-	30,0	14,5	22,5	8,0		
HD 28 - 5M 09	28	1	48,0	44,56	43,42	-	30,5	14,5	22,5	8,0		
HD 30 - 5M 09	30	1	51,0	47,75	46,61	-	35,0	14,5	22,5	8,0		
HD 32 - 5M 09	32	1	54,0	50,93	49,79	-	38,0	14,5	22,5	8,0		
HD 36 - 5M 09	36	1	60,0	57,30	56,16	-	38,0	14,5	22,5	8,0		
HD 40 - 5M 09	40	1	71,0	63,66	62,52	-	38,0	14,5	22,5	8,0		
HD 44 - 5M 09	44	1A	-	70,03	68,89	-	38,0	14,5	25,5	11,0		
HD 48 - 5M 09	48	1A	-	76,39	75,25	-	45,0	14,5	25,5	11,0		
HD 60 - 5M 09	60	1A	-	95,49	94,35	-	45,0	14,5	25,5	11,0		
HD 72 - 5M 09	72	3A	-	114,59	113,45	90	45,0	14,5	25,5	11,0		



1



1A



3A

HD ... -5M15

5M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 12 - 5M 15	12	1	23,0	19,10	17,96	-	12,0	20,5	26,0	5,5	with flanges	steel
HD 14 - 5M 15	14	1	25,0	22,28	21,14	-	13,0	20,5	26,0	5,5		
HD 15 - 5M 15	15	1	28,0	23,87	22,73	-	16,0	20,5	26,0	5,5		
HD 16 - 5M 15	16	1	28,0	25,47	24,32	-	16,5	20,5	26,0	5,5		
HD 18 - 5M 15	18	1	32,0	28,65	27,51	-	20,0	20,5	26,0	5,5		
HD 20 - 5M 15	20	1	36,0	31,83	30,69	-	23,0	20,5	26,0	5,5		
HD 21 - 5M 15	21	1	38,0	33,42	32,28	-	24,0	20,5	26,0	5,5		
HD 22 - 5M 15	22	1	39,0	35,01	33,87	-	25,5	20,5	26,0	5,5		
HD 24 - 5M 15	24	1	42,0	38,19	37,06	-	27,0	20,5	28,0	7,5		
HD 26 - 5M 15	26	1	44,0	41,38	40,24	-	30,0	20,5	28,0	7,5		
HD 28 - 5M 15	28	1	48,0	44,56	43,42	-	30,5	20,5	28,0	7,5		
HD 30 - 5M 15	30	1	51,0	47,75	46,61	-	35,0	20,5	28,0	7,5		
HD 32 - 5M 15	32	1	54,0	50,93	49,79	-	38,0	20,5	28,0	7,5		
HD 36 - 5M 15	36	1	60,0	57,30	56,16	-	38,0	20,5	28,0	7,5		
HD 40 - 5M 15	40	1	71,0	63,66	62,52	-	38,0	20,5	28,0	7,5		
HD 44 - 5M 15	44	1A	-	70,03	68,89	-	38,0	20,5	30,0	9,5		
HD 48 - 5M 15	48	1A	-	76,39	75,25	-	45,0	20,5	30,0	9,5		
HD 60 - 5M 15	60	1A	-	95,49	94,35	-	50,0	20,5	30,0	9,5		
HD 72 - 5M 15	72	3A	-	114,59	113,45	90	50,0	20,5	30,0	9,5		

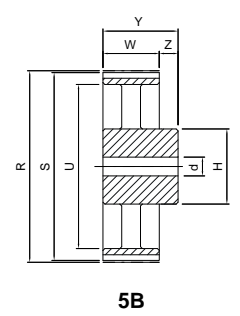
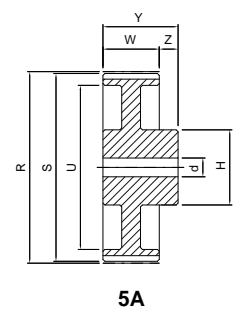
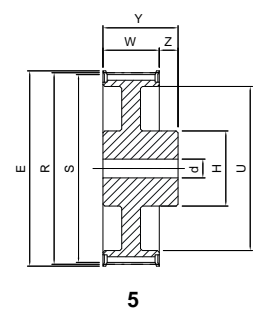
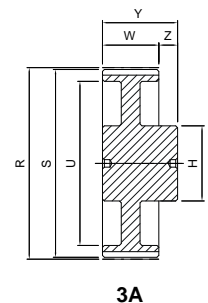
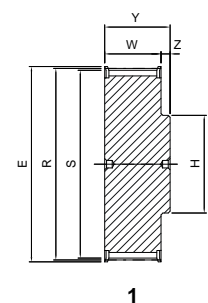
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



HD ... -5M25

5M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 12 - 5M 25	12	1	23,0	19,10	17,96	-	12,0	30,0	36,0	6,0	with flanges	steel
HD 14 - 5M 25	14	1	25,0	22,28	21,14	-	13,0	30,0	36,0	6,0		
HD 15 - 5M 25	15	1	28,0	23,87	22,73	-	16,0	30,0	36,0	6,0		
HD 16 - 5M 25	16	1	28,0	25,47	24,32	-	16,5	30,0	36,0	6,0		
HD 18 - 5M 25	18	1	32,0	28,65	27,51	-	20,0	30,0	36,0	6,0		
HD 20 - 5M 25	20	1	36,0	31,83	30,69	-	23,0	30,0	36,0	6,0		
HD 21 - 5M 25	21	1	38,0	33,42	32,28	-	24,0	30,0	38,0	8,0		
HD 22 - 5M 25	22	1	39,0	35,01	33,87	-	25,5	30,0	38,0	8,0		
HD 24 - 5M 25	24	1	42,0	38,19	37,06	-	27,0	30,0	38,0	8,0		
HD 26 - 5M 25	26	1	44,0	41,38	40,24	-	30,0	30,0	38,0	8,0		
HD 28 - 5M 25	28	1	48,0	44,56	43,42	-	30,5	30,0	38,0	8,0		
HD 30 - 5M 25	30	1	51,0	47,75	46,61	-	35,0	30,0	38,0	8,0		
HD 32 - 5M 25	32	1	54,0	50,93	49,79	-	38,0	30,0	38,0	8,0		
HD 36 - 5M 25	36	1	60,0	57,30	56,16	-	38,0	30,0	38,0	8,0		
HD 40 - 5M 25	40	1	71,0	63,66	62,52	-	38,0	30,0	38,0	8,0		
HD 44 - 5M 25	44	1A - 3A	-	70,03	68,89	-	38,0	30,0	40,0	10,0		
HD 48 - 5M 25	48	1A - 3A	-	76,39	75,25	-	45,0	30,0	40,0	10,0		
HD 60 - 5M 25	60	1A - 3A	-	95,49	94,35	-	50,0	30,0	40,0	10,0		
HD 72 - 5M 25	72	3A	-	114,59	113,45	90	50,0	30,0	40,0	10,0		



HD ... -8M20

8M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 18 - 8M 20	18	1	51,0	45,84	44,46	-	32,0	-	28	38	10	with flanges	steel
HD 20 - 8M 20	20	1	57,0	50,93	49,56	-	36,0	-	28	38	10		
HD 22 - 8M 20	22	1	60,0	56,02	54,65	-	43,0	-	28	38	10		
HD 24 - 8M 20	24	1	66,0	61,12	59,74	-	45,0	-	28	38	10		
HD 26 - 8M 20	26	1	70,0	66,21	64,84	-	48,0	-	28	38	10		
HD 28 - 8M 20	28	1	75,0	71,30	69,93	-	55,0	-	28	38	10		
HD 30 - 8M 20	30	1	83,0	76,39	75,02	-	60,0	-	28	38	10		
HD 32 - 8M 20	32	1	87,0	81,49	80,12	-	64,0	-	28	38	10		
HD 34 - 8M 20	34	1	91,0	86,58	85,21	-	70,0	-	28	38	10		
HD 36 - 8M 20	36	1	97,0	91,67	90,30	-	75,0	-	28	38	10		
HD 38 - 8M 20	38	1	102,0	96,77	95,39	-	80,0	-	28	38	10		
HD 40 - 8M 20	40	1	106,0	101,86	100,49	-	85,0	-	28	38	10		
HD 44 - 8M 20	44	1	120,0	112,05	110,67	-	96,0	-	28	38	10		
HD 48 - 8M 20	48	1	128,0	122,23	120,86	-	104,0	-	28	38	10		
HD 56 - 8M 20	56	5	150,0	142,60	141,23	117	80,0	12	28	38	10		
HD 60 - 8M 20	60	5	158,0	152,79	151,42	127	80,0	12	28	38	10		
HD 64 - 8M 20	64	5	168,0	162,97	161,60	137	80,0	12	28	38	10		
HD 72 - 8M 20	72	5	192,0	183,35	181,97	158	80,0	12	28	38	10		
HD 80 - 8M 20	80	5A	-	203,72	202,35	179	90,0	12	28	38	10		
HD 84 - 8M 20	84	5A	-	213,90	212,53	190	90,0	12	28	38	10		
HD 90 - 8M 20	90	5A	-	229,18	227,81	204	90,0	12	28	38	10		
HD 112 - 8M 20	112	5B	-	285,21	283,83	260	90,0	18	28	38	10		
HD 144 - 8M 20	144	5B	-	366,69	365,32	342	90,0	20	28	38	10		
HD 168 - 8M 20	168	5B	-	427,80	426,44	403	100,0	20	28	38	10		
HD 192 - 8M 20	192	5B	-	488,92	487,54	465	100,0	20	28	38	10		

Dimensions of timing pulleys TOP DRIVE® HTD - solid hub

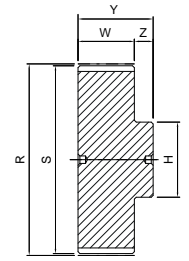


TIMING PULLEYS - HD

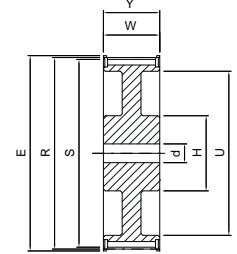
HD ... -8M30

8M

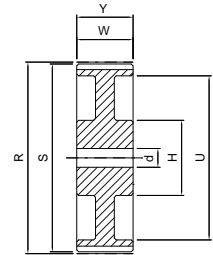
Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 18 - 8M 30	18	1	51,0	45,84	44,46	-	32,0	-	38	48	10	with flanges	steel
HD 20 - 8M 30	20	1	57,0	50,93	49,56	-	36,0	-	38	48	10		
HD 22 - 8M 30	22	1	60,0	56,02	54,65	-	43,0	-	38	48	10		
HD 24 - 8M 30	24	1	66,0	61,12	59,74	-	45,0	-	38	48	10		
HD 26 - 8M 30	26	1	70,0	66,21	64,84	-	48,0	-	38	48	10		
HD 28 - 8M 30	28	1	75,0	71,30	69,93	-	55,0	-	38	48	10		
HD 30 - 8M 30	30	1	83,0	76,39	75,02	-	60,0	-	38	48	10		
HD 32 - 8M 30	32	1	87,0	81,49	80,12	-	64,0	-	38	48	10		
HD 34 - 8M 30	34	1	91,0	86,58	85,21	-	70,0	-	38	48	10		
HD 36 - 8M 30	36	1	97,0	91,67	90,30	-	75,0	-	38	48	10		
HD 38 - 8M 30	38	1	102,0	96,77	95,39	-	75,0	-	38	48	10		
HD 40 - 8M 30	40	1	106,0	101,86	100,49	-	85,0	-	38	48	10		
HD 44 - 8M 30	44	1	120,0	112,05	110,67	-	96,0	-	38	48	10		
HD 48 - 8M 30	48	1	128,0	122,23	120,86	-	104,0	-	38	48	10		
HD 56 - 8M 30	56	5	150,0	142,60	141,23	117	90,0	12	38	48	10		
HD 60 - 8M 30	60	5	158,0	152,79	151,42	127	90,0	12	38	48	10		
HD 64 - 8M 30	64	5	168,0	162,97	161,60	137	90,0	12	38	48	10		
HD 72 - 8M 30	72	5	192,0	183,35	181,97	158	95,0	12	38	48	10		
HD 80 - 8M 30	80	5A	-	203,72	202,35	179	100,0	12	38	48	10		
HD 84 - 8M 30	84	5A	-	213,90	212,53	190	100,0	12	38	48	10		
HD 90 - 8M 30	90	5A	-	229,18	227,81	204	100,0	12	38	48	10		
HD 112 - 8M 30	112	5B	-	285,21	283,83	260	100,0	18	38	48	10		
HD 144 - 8M 30	144	5B	-	366,69	365,32	342	100,0	20	38	48	10		
HD 168 - 8M 30	168	5B	-	427,80	426,44	403	100,0	20	38	48	10		
HD 192 - 8M 30	192	5B	-	488,92	487,54	465	100,0	20	38	48	10		



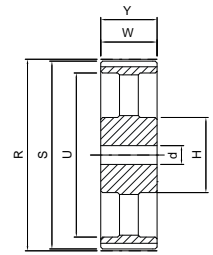
1A



7



7A



7B

HD ... -8M50

8M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 18 - 8M 50	18	1	51,0	45,84	44,46	-	32,0	-	60	70	10	with flanges	steel
HD 20 - 8M 50	20	1	57,0	50,93	49,56	-	36,0	-	60	70	10		
HD 22 - 8M 50	22	1	60,0	56,02	54,65	-	43,0	-	60	70	10		
HD 24 - 8M 50	24	1	66,0	61,12	59,74	-	49,0	-	60	70	10		
HD 26 - 8M 50	26	1	70,0	66,21	64,84	-	50,0	-	60	70	10		
HD 28 - 8M 50	28	1	75,0	71,30	69,93	-	55,0	-	60	70	10		
HD 30 - 8M 50	30	1	83,0	76,39	75,02	-	60,0	-	60	70	10		
HD 32 - 8M 50	32	1	87,0	81,49	80,12	-	64,0	-	60	70	10		
HD 34 - 8M 50	34	1	91,0	86,58	85,21	-	70,0	-	60	70	10		
HD 36 - 8M 50	36	1	97,0	91,67	90,30	-	75,0	-	60	70	10		
HD 38 - 8M 50	38	1	102,0	96,77	95,39	-	80,0	-	60	70	10		
HD 40 - 8M 50	40	1	106,0	101,86	100,49	-	85,0	-	60	70	10		
HD 44 - 8M 50	44	1	120,0	112,05	110,67	-	96,0	-	60	70	10		
HD 48 - 8M 50	48	1	128,0	122,23	120,86	-	104,0	-	60	70	10		
HD 56 - 8M 50	56	7	150,0	142,60	141,23	117	90,0	18	60	60	-		
HD 60 - 8M 50	60	7	158,0	152,79	151,42	127	100,0	18	60	60	-		
HD 64 - 8M 50	64	7	168,0	162,97	161,60	137	100,0	18	60	60	-		
HD 72 - 8M 50	72	7	192,0	183,35	181,97	158	100,0	18	60	60	-		
HD 80 - 8M 50	80	7A	-	203,72	202,35	179	110,0	18	60	60	-		
HD 84 - 8M 50	84	7B	-	213,90	212,53	190	110,0	18	60	60	-		
HD 90 - 8M 50	90	7B	-	229,18	227,81	204	110,0	18	60	60	-		
HD 112 - 8M 50	112	7B	-	285,21	283,83	260	110,0	18	60	60	-		
HD 144 - 8M 50	144	7B	-	366,69	365,32	342	110,0	20	60	60	-		
HD 168 - 8M 50	168	7B	-	427,80	426,44	403	120,0	20	60	60	-		
HD 192 - 8M 50	192	7B	-	488,92	487,54	465	130,0	20	60	60	-		

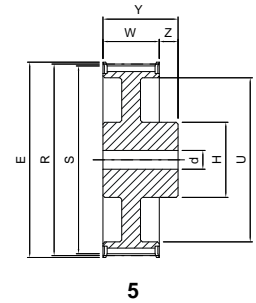
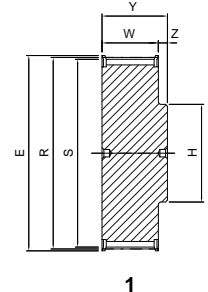
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



HD ... -8M85

8M

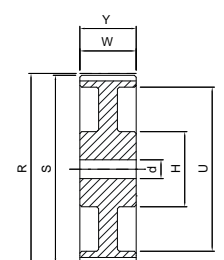
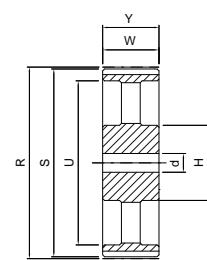
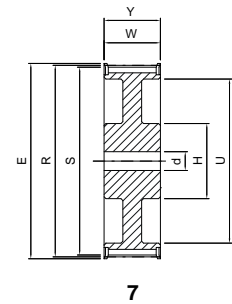
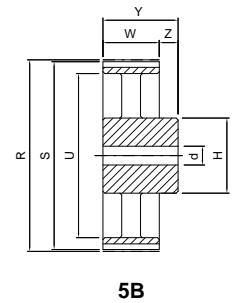
Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 22 - 8M 85	22	1	60,0	56,02	54,65	-	43,0	-	95	105	10	with flanges	steel
HD 24 - 8M 85	24	1	66,0	61,12	59,74	-	45,0	-	95	105	10		
HD 26 - 8M 85	26	1	70,0	66,21	64,84	-	48,0	-	95	105	10		
HD 28 - 8M 85	28	1	75,0	71,30	69,93	-	55,0	-	95	105	10		
HD 30 - 8M 85	30	1	83,0	76,39	75,02	-	60,0	-	95	105	10		
HD 32 - 8M 85	32	1	87,0	81,49	80,12	-	64,0	-	95	105	10		
HD 34 - 8M 85	34	1	91,0	86,58	85,21	-	70,0	-	95	105	10		
HD 36 - 8M 85	36	1	97,0	91,67	90,30	-	75,0	-	95	105	10		
HD 38 - 8M 85	38	1	102,0	96,77	95,39	-	80,0	-	95	105	10		
HD 40 - 8M 85	40	1	106,0	101,86	100,49	-	85,0	-	95	105	10		
HD 44 - 8M 85	44	1	120,0	112,05	110,67	-	96,0	-	95	105	10		
HD 48 - 8M 85	48	1	128,0	122,23	120,86	-	100,0	-	95	105	10		
HD 56 - 8M 85	56	1	150,0	142,60	141,23	-	107,0	-	95	105	10		
HD 60 - 8M 85	60	1	158,0	152,79	151,42	-	132,0	-	95	105	10		
HD 64 - 8M 85	64	7	168,0	162,97	161,60	137	100,0	18	95	95	-	without flanges	cast iron
HD 72 - 8M 85	72	7	192,0	183,35	181,97	158	110,0	18	95	95	-		
HD 80 - 8M 85	80	7A	-	203,72	202,35	179	110,0	20	95	95	-		
HD 84 - 8M 85	84	7B	-	213,90	212,53	190	110,0	20	95	95	-		
HD 90 - 8M 85	90	7B	-	229,18	227,81	204	110,0	20	95	95	-		
HD 112 - 8M 85	112	7B	-	285,21	283,83	260	110,0	24	95	95	-		
HD 144 - 8M 85	144	7B	-	366,69	365,32	342	120,0	24	95	95	-		
HD 168 - 8M 85	168	7B	-	427,80	426,44	403	120,0	24	95	95	-		
HD 192 - 8M 85	192	7B	-	488,92	487,54	465	130,0	24	95	95	-		



HD ... -14M40

14M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 28 - 14M 40	28	1	128,0	124,78	122,12	-	100,0	-	54	69	15	with flanges	cast iron
HD 29 - 14M 40	29	1	138,0	129,23	126,57	-	107,0	-	54	69	15		
HD 30 - 14M 40	30	1	138,0	133,69	130,99	-	107,0	-	54	69	15		
HD 32 - 14M 40	32	1	154,0	142,60	139,88	-	114,0	-	54	69	15		
HD 34 - 14M 40	34	1	160,0	151,51	148,79	-	122,0	-	54	69	15		
HD 36 - 14M 40	36	1	168,0	160,43	157,68	-	128,0	-	54	69	15		
HD 38 - 14M 40	38	1	183,0	169,34	166,60	-	141,0	-	54	69	15		
HD 40 - 14M 40	40	1	198,0	178,25	175,49	-	148,0	-	54	69	15		
HD 44 - 14M 40	44	5	211,0	196,08	193,28	154	120,0	24	54	69	15		
HD 48 - 14M 40	48	5	226,0	213,90	211,11	172	135,0	24	54	69	15		
HD 56 - 14M 40	56	5	256,0	249,55	246,76	207	135,0	28	54	69	15		
HD 60 - 14M 40	60	5	275,0	267,38	264,59	225	135,0	28	54	69	15		
HD 64 - 14M 40	64	5	296,0	285,21	282,41	243	135,0	28	54	69	15		
HD 72 - 14M 40	72	5B	-	320,86	318,06	279	135,0	28	54	69	15		
HD 80 - 14M 40	80	5B	-	356,51	353,71	314	135,0	28	54	69	15		
HD 84 - 14M 40	84	5B	-	374,33	371,54	332	135,0	28	54	69	15		
HD 90 - 14M 40	90	5B	-	401,07	398,28	359	135,0	28	54	69	15		
HD 112 - 14M 40	112	5B	-	499,11	496,32	457	135,0	28	54	69	15		
HD 144 - 14M 40	144	5B	-	641,71	638,92	600	135,0	28	54	69	15		



Dimensions of timing pulleys TOP DRIVE® HTD - solid hub

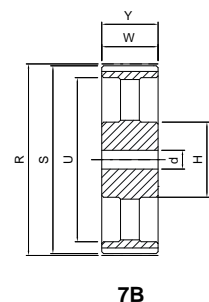
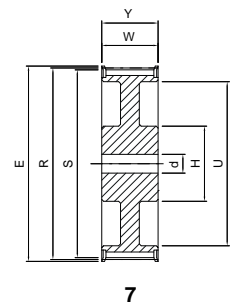
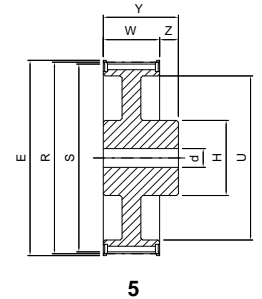
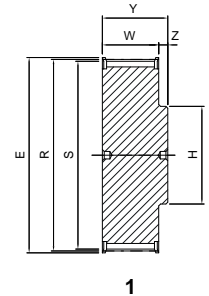


TIMING PULLEYS - HD

HD ... -14M55

14M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 28 - 14M 55	28	1	128,0	124,78	122,12	-	100,0	-	70	85	15	with flanges	cast iron
HD 29 - 14M 55	29	1	138,0	129,23	126,57	-	107,0	-	70	85	15		
HD 30 - 14M 55	30	1	138,0	133,69	130,99	-	107,0	-	70	85	15		
HD 32 - 14M 55	32	1	154,0	142,60	139,88	-	114,0	-	70	85	15		
HD 34 - 14M 55	34	1	160,0	151,51	148,79	-	122,0	-	70	85	15		
HD 36 - 14M 55	36	1	168,0	160,43	157,68	-	128,0	-	70	85	15		
HD 38 - 14M 55	38	1	183,0	169,34	166,60	-	141,0	-	70	85	15		
HD 40 - 14M 55	40	1	198,0	178,25	175,49	-	148,0	-	70	85	15		
HD 44 - 14M 55	44	5	211,0	196,08	193,28	154	120,0	24	70	85	15		
HD 48 - 14M 55	48	7	226,0	213,90	211,11	172	135,0	24	70	70	-		
HD 56 - 14M 55	56	7	256,0	249,55	246,76	207	135,0	28	70	70	-		
HD 60 - 14M 55	60	7	275,0	267,38	264,59	225	135,0	28	70	70	-		
HD 64 - 14M 55	64	7	296,0	285,21	282,41	243	135,0	28	70	70	-		
HD 72 - 14M 55	72	7B	-	320,86	318,06	279	135,0	28	70	70	-		
HD 80 - 14M 55	80	7B	-	356,51	353,71	314	135,0	28	70	70	-		
HD 84 - 14M 55	84	7B	-	374,33	371,54	332	135,0	28	70	70	-		
HD 90 - 14M 55	90	7B	-	401,07	398,28	359	135,0	28	70	70	-		
HD 112 - 14M 55	112	7B	-	499,11	496,32	457	135,0	28	70	70	-		
HD 144 - 14M 55	144	7B	-	641,71	638,92	600	135,0	28	70	70	-		



HD ... -14M85

14M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 28 - 14M 85	28	1	128,0	124,78	122,12	-	100,0	-	102	117	15	with flanges	cast iron
HD 29 - 14M 85	29	1	138,0	129,23	126,57	-	107,0	-	102	117	15		
HD 30 - 14M 85	30	1	138,0	133,69	130,99	-	107,0	-	102	117	15		
HD 32 - 14M 85	32	1	154,0	142,60	139,88	-	114,0	-	102	117	15		
HD 34 - 14M 85	34	1	160,0	151,51	148,79	-	122,0	-	102	117	15		
HD 36 - 14M 85	36	1	168,0	160,43	157,68	-	128,0	-	102	117	15		
HD 38 - 14M 85	38	1	183,0	169,34	166,60	-	141,0	-	102	117	15		
HD 40 - 14M 85	40	1	198,0	178,25	175,49	-	148,0	-	102	117	15		
HD 44 - 14M 85	44	1	211,0	196,08	193,28	-	169,0	-	102	117	15		
HD 48 - 14M 85	48	1	226,0	213,90	211,11	-	186,0	-	102	117	15		
HD 56 - 14M 85	56	7	256,0	249,55	246,76	207	150,0	32	102	102	-		
HD 60 - 14M 85	60	7	275,0	267,38	264,59	225	150,0	32	102	102	-		
HD 64 - 14M 85	64	7	296,0	285,21	282,41	243	150,0	32	102	102	-		
HD 72 - 14M 85	72	7B	-	320,86	318,06	279	150,0	32	102	102	-		
HD 80 - 14M 85	80	7B	-	356,51	353,71	314	150,0	32	102	102	-		
HD 84 - 14M 85	84	7B	-	374,33	371,54	332	150,0	32	102	102	-		
HD 90 - 14M 85	90	7B	-	401,07	398,28	359	150,0	32	102	102	-		
HD 112 - 14M 85	112	7B	-	499,11	496,32	457	150,0	32	102	102	-		
HD 144 - 14M 85	144	7B	-	641,71	638,92	600	150,0	32	102	102	-		

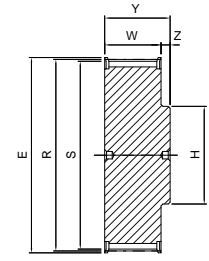
Dimensions of timing pulleys TOP DRIVE® HTD - solid hub



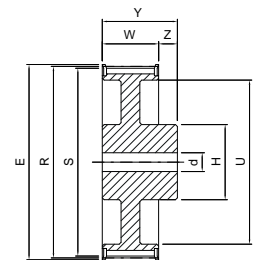
HD ... -14M115

14M

Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 28 - 14M 115	28	1	128,0	124,78	122,12	-	100,0	-	133	148	15	with flanges	cast iron
HD 29 - 14M 115	29	1	138,0	129,23	126,57	-	107,0	-	133	148	15		
HD 30 - 14M 115	30	1	138,0	133,69	130,99	-	107,0	-	133	148	15		
HD 32 - 14M 115	32	1	154,0	142,60	139,88	-	114,0	-	133	148	15		
HD 34 - 14M 115	34	1	160,0	151,51	148,79	-	122,0	-	133	148	15		
HD 36 - 14M 115	36	1	168,0	160,43	157,68	-	128,0	-	133	148	15		
HD 38 - 14M 115	38	1	183,0	169,34	166,60	-	141,0	-	133	148	15		
HD 40 - 14M 115	40	1	198,0	178,25	175,49	-	148,0	-	133	148	15		
HD 44 - 14M 115	44	1	211,0	196,08	193,28	-	169,0	-	133	148	15		
HD 48 - 14M 115	48	1	226,0	213,90	211,11	-	186,0	-	133	148	15		
HD 56 - 14M 115	56	5	256,0	249,55	246,76	207	150,0	32	133	148	15		
HD 60 - 14M 115	60	7	290,0	267,38	264,59	225	150,0	32	133	133	-		
HD 64 - 14M 115	64	7	296,0	285,21	282,41	243	150,0	32	133	133	-		
HD 72 - 14M 115	72	7B	-	320,86	318,06	279	150,0	32	133	133	-		
HD 80 - 14M 115	80	7B	-	356,51	353,71	314	150,0	32	133	133	-		
HD 84 - 14M 115	84	7B	-	374,33	371,54	332	150,0	32	133	133	-		
HD 90 - 14M 115	90	7B	-	401,07	398,28	359	150,0	32	133	133	-		
HD 112 - 14M 115	112	7B	-	499,11	496,32	457	150,0	32	133	133	-		
HD 144 - 14M 115	144	7B	-	641,71	638,92	600	150,0	32	133	133	-		



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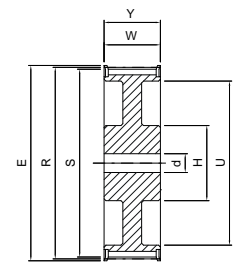


5

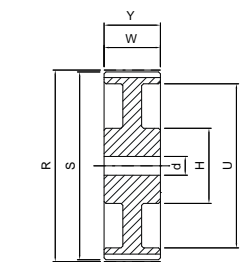
HD ... -14M170

14M

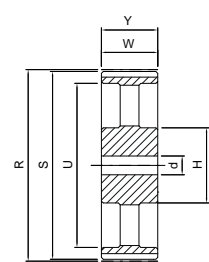
Code	Teeth nr.	Type	E [mm]	R [mm]	S [mm]	U [mm]	H [mm]	d [mm]	W [mm]	Y [mm]	Z [mm]	Flange	Material
HD 28 - 14M 170	28	1	128,0	124,78	122,12	-	100,0	-	187	202	15	with flanges	cast iron
HD 29 - 14M 170	29	1	138,0	129,23	126,57	-	107,0	-	187	202	15		
HD 30 - 14M 170	30	1	138,0	133,69	130,99	-	107,0	-	187	202	15		
HD 32 - 14M 170	32	1	154,0	142,60	139,88	-	114,0	-	187	202	15		
HD 34 - 14M 170	34	1	160,0	151,51	148,79	-	122,0	-	187	202	15		
HD 36 - 14M 170	36	1	168,0	160,43	157,68	-	128,0	-	187	202	15		
HD 38 - 14M 170	38	1	183,0	169,34	166,60	-	141,0	-	187	202	15		
HD 40 - 14M 170	40	1	198,0	178,25	175,49	-	148,0	-	187	202	15		
HD 44 - 14M 170	44	1	211,0	196,08	193,28	-	169,0	-	187	202	15		
HD 48 - 14M 170	48	1	226,0	213,90	211,11	-	186,0	-	187	202	15		
HD 56 - 14M 170	56	5	256,0	249,55	246,76	207	160,0	32	187	202	15		
HD 60 - 14M 170	60	5	290,0	267,38	264,59	225	160,0	32	187	202	15		
HD 64 - 14M 170	64	5	296,0	285,21	282,41	243	180,0	32	187	202	15		
HD 72 - 14M 170	72	12	-	320,86	318,06	279	180,0	32	187	187	-		
HD 80 - 14M 170	80	12	-	356,51	353,71	314	180,0	32	187	187	-		
HD 84 - 14M 170	84	7A	-	374,33	371,54	332	180,0	32	187	187	-		
HD 90 - 14M 170	90	7A	-	401,07	398,28	359	180,0	32	187	187	-		
HD 112 - 14M 170	112	7A	-	499,11	496,32	456	200,0	32	187	187	-		
HD 144 - 14M 170	144	7A	-	641,71	638,92	600	220,0	32	187	187	-		



7



7A



7B